

## Assuring Depth of fairways for Archipelago Public Transportation (ADAPT)



Programme Priority: P3 Well-connected region

Programme Specific Objective: 3.1. Improved transport flows of people and goods

Sub-programme: Archipelago and Islands

Duration: 01.03.2016 - 30.11.2019

Total funding: 2.181.433 EUR

ERDF funding: 1.636.075 EUR ERDF

Project Summary:

The project ADAPT addresses a cross-border challenge connected to attaining the joint and efficient public transportation system in the archipelagos. The project aims at developing safe, time-saving and fuel-efficient routes for the transportation of passengers and goods in the Åland and Stockholm archipelagos.

In practice the project improves maritime transport system as part of the intermodal system for public transportation along with reducing its environmental impacts and enabling safe and state of the art navigation. To reduce CO2 emissions the project aims to develop more fuel efficient routes. The main beneficiaries are passengers using public transport in the archipelago as well as communities and businesses on the islands depending on tourism and public transportation.

As a result of the project the overall travel times for passengers using public transportation in the Stockholm and Åland archipelagos is reduced by more than 10%. A number of traffic routes are adjusted, while others are under consideration for future adjustments. New tools and methods are in place for optimising vessel use and operation in case of shallow and narrow waters or severe weather conditions. The changes result in improved flows of people and goods.

## Map of Partners

### Partners

Lead Partner

#### Sjöfartsverket

Country: SE

<http://www.sjofartsverket.se/en/> [1]

Partner budget: 1.578.369 EUR

Amount of ERDF funding: 1.183.777 EUR ERDF

Project Partners

#### Stockholms Läns Landsting

Country: SE

<http://www.sll.se/om-landstinget/Information-in-English1/> [2]

Partner budget: 128.395 EUR

Amount of ERDF funding: 96.296 EUR ERDF

#### Ålands Landskapsregering

Country: FI

<http://www.regeringen.ax/> [3]

Partner budget: 474.669 EUR

Amount of ERDF funding: 356.002 EUR ERDF

### Results

#### Expected results

#### Achieved results

Project result in category - Improved transport flow of goods

## **ADAPT enabled safer and shorter routes for public archipelago transportation**

The system for public transportation at sea differs in Stockholm and Åland archipelago, but project ADAPT tackled the joint challenges in offering a safe, timesaving, and fuel-efficient public transportation at sea. New and updated hydrology was needed to reach an improved maritime transport system and to reduce its environmental impact. Altogether, there were 46 corridors and nodes identified in the ADAPT project with proposals for adjustments for safer and shorter routes in both Stockholm and Åland archipelagos. Time savings as high as 30 minutes for a single journey was presented, which shows the possibility to decrease CO2 emissions.

The smaller fairways had not been updated for years, so the knowledge of where new and shorter routes could be used had to be ensured. Last time the depths were sounded was 100 years ago – by hand! Now the project did hydrographical surveys of sea floor by modern multibeam laser scanning of about 240 square kilometres seabed in Stockholm. In Åland, more than 100 square kilometres were scanned.

The surveys detected several deviations, and about 60 NtM (Notices to Mariners) were published as the deviations found were considered as immediate dangers. A lot less urgent updates have been introduced to and are implemented in the electronical sea charts. On Åland it led to more than 70 new or adjusted sea marks. Read the full report [HERE](#) [4].

By giving a detailed view also in a wider corridor around the seabed, the surveys resulted in modified routes. The environmental gains focused on reduced fuel use and emissions of CO2, NOx and SOx, but also on reduced backwash along sensitive shorelines.

The main beneficiaries of a more effective public transport are the passengers, as well as the communities and businesses on the islands depending on tourism and visitors. The results are important to leisure boaters to gain safer navigation within the archipelago.

The authorities involved considered the partnership very fruitful. The project enabled people working with waterborne public transportation to meet and exchange experiences, and together they created a toolbox providing useful knowledge for those planning and operating the public transportation in the archipelago.

Project page in database

[Assuring Depth of fairways for Archipelago Public Transportation](#) [5]

At a glance

- 240 km<sup>2</sup> laser scanned seabed
- 46 ferry routes can improve efficiency or safety
- more than 100 dangers found
- updated sea charts > increased safety
- improved, safer and shorter routes with lower CO2 emissions
- toolbox for efficient seaborne public transportation management

Tags

[Improving transport connections](#) [7]

[Multimodal transport](#) [8]

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## **Project Visibility**

## **Social media links**

[Web page of Sjöfartsverket ADAPT](#) [9]

[Web page of The Government of Åland ADAPT](#) [10]

[Web page of Stockholm County Council ADAPT](#) [11]

## **Other media visibility**

[ADAPT Finalized proposal for new, adjusted and developed routes \(2019\)](#) [4]

[Sjömättningsprojekt i mål \(2019\)](#) [12]

[Uppdaterade farleder i den åländska skärgården \(2019\)](#) [13]

[Havsmätning kan påverka fartygsrutterna \(2016\)](#) [14]

[Nya sjömättningsfartyg i Stockholms skärgård \(2016\)](#) [15]

[Nya farleder i skärgården \(2015\)](#) [16]

[Sjömättningsprojekt får bidrag \(2015\)](#) [17]

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### Links

[1] <http://www.sjofartsverket.se/en/> [2] <http://www.sll.se/om-landstinget/Information-in-English1/> [3] <http://www.regeringen.ax/> [4] [http://www.sjofartsverket.se/pages/105356/ADAPT\\_report\\_D.T3.5.1\\_with%20appendices.pdf](http://www.sjofartsverket.se/pages/105356/ADAPT_report_D.T3.5.1_with%20appendices.pdf) [5] <https://database.centralbaltic.eu/project/31> [6] [http://www.sjofartsverket.se/pages/105356/ADAPT\\_report\\_D.T3.5.1\\_with\\_appendices.pdf](http://www.sjofartsverket.se/pages/105356/ADAPT_report_D.T3.5.1_with_appendices.pdf) [7] <https://database.centralbaltic.eu/tags/improving-transport-connections> [8] <https://database.centralbaltic.eu/tags/multimodal-transport> [9] <http://www.sjofartsverket.se/Maritima-Tjanster/Sjomatning/ADAPT/> [10] <http://www.regeringen.ax/infrastruktur-kommunikationer/vagar-broar-hamnar-farleder/grunda-farleder> [11] <http://www.sll.se/verksamhet/kollektivtrafik/aktuella-projekt/Sjomatning-skargarden/> [12] <http://www.skargarden.se/sjomatningsprojekt-i-mal/> [13] <https://www.alandstidningen.ax/nyheter/uppdaterade-farleder-alandska-skargarden> [14] <http://www.norrteljetidning.se/stockholm/norrtalje-kommun/havsmatning-kan-paverka-fartygsrutterna> [15] <http://www.batliv.se/2016/06/14/nya-sjomatningar-i-stockholms-skargard/> [16] <http://www.nyan.ax/notiser/nya-farleder-i-skargarden/> [17] <https://alandsradio.ax/nyheter/sjomatningsprojekt-far-bidrag>